


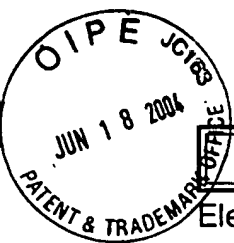


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Electronic Filing System (EFS) Data
Electronic Patent Application Submission
USPTO Use Only

EFS ID: 62850
Application ID: 09539966 
Title of Invention: DATA STORAGE SYSEYEM HAVING
SEPARATE DATA TRANSFER
SECTION AND MESSAGE
NETWORK WITH PLURAL
DIRECTORS AND COMMION
PRINTED CIRCUIT BOARDS
First Named Inventor: Stephen MacArthur
Domestic/Foreign Application: Domestic Application
Filing Date: 2000-03-31
Effective Receipt Date: 2004-06-18
Submission Type: Information Disclosure
Statement
Filing Type:
Confirmation number: 2142
Attorney Docket Number: EMC2-044PUS
Total Fees Authorized: 180.0
Payment Category: Deposit Account
Deposit Account Number: 50889
Deposit Account Name: Richard M Sharkansky
Access Code: ****
RAM Payment Status: RAM success
RAM User ID: EFSPROD
RAM Accounting Date: 2004-06-18
RAM Sequence Number: 23


Digital Certificate Holder: cn=Richard M. Sharkansky,ou=Registered Attorneys,ou=Patent and
Trademark Office,ou=Department of Commerce,o=U.S. Government,c=US
Certificate Message Digest: 8de13a4a3b4d76aa10da18ff6819db8cd32f277d



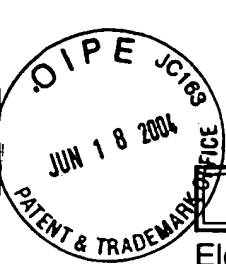
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Electronic Version v1.1

Stylesheet Version v1.1.0

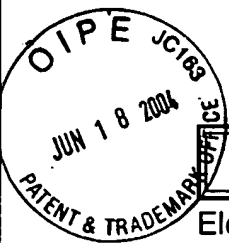
Title of Invention	DATA STORAGE SYSYEM HAVING SEPARATE DATA TRANSFER SECTION AND MESSAGE NETWORK WITH PLURAL DIRECTORS AND COMMION PRINTED CIRCUIT BOARDS															
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<table border="1"><thead><tr><th>Submitted by:</th><th>Elec. Sign.</th><th>Sign. Capacity</th></tr></thead><tbody><tr><td>Richard M Sharkansky Registered Number: 25800</td><td>/rms/</td><td>Attorney</td></tr></tbody></table>			Submitted by:	Elec. Sign.	Sign. Capacity	Richard M Sharkansky Registered Number: 25800	/rms/	Attorney								
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<table><tr><td>Documents being submitted</td><td>Files</td></tr><tr><td>us-fee-sheet</td><td>EMC2-044PUS.1-usfees.xml</td></tr><tr><td></td><td>us-fee-sheet.xsl</td></tr><tr><td></td><td>us-fee-sheet.dtd</td></tr><tr><td>us-ids</td><td>EMC2-044PUS.1-usidst.xml</td></tr><tr><td></td><td>us-ids.dtd</td></tr><tr><td></td><td>us-ids.xsl</td></tr></table>			Documents being submitted	Files	us-fee-sheet	EMC2-044PUS.1-usfees.xml		us-fee-sheet.xsl		us-fee-sheet.dtd	us-ids	EMC2-044PUS.1-usidst.xml		us-ids.dtd		us-ids.xsl
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	us-ids.dtd															
	us-ids.xsl															

Comments

**FEE TRANSMITTAL**

Electronic Version v08
Stylesheet Version v08.0


Title of Invention	DATA STORAGE SYSYEM HAVING SEPARATE DATA TRANSFER SECTION AND MESSAGE NETWORK WITH PLURAL DIRECTORS AND COMMION PRINTED CIRCUIT BOARDS										
Application Number: 09/539966 											
Date: 2000-03-31											
First Named Applicant: Stephen MacArthur											
Attorney Docket Number: EMC2-044PUS											
Art Unit: 2182											
Examiner: Mike Nguyen											
TOTAL FEE AUTHORIZED \$180											
Patent fees are subject to annual revisions on or about October 1st of each year.											
BASIC FILING FEE											
<table border="1"><thead><tr><th>Fee Description</th><th>Fee Code</th><th>Amount \$</th><th>Fee Paid \$</th></tr></thead><tbody><tr><td>Submission Of Information Disclosure Stmt Fee</td><td>1806</td><td>180</td><td>180</td></tr></tbody></table>				Fee Description	Fee Code	Amount \$	Fee Paid \$	Submission Of Information Disclosure Stmt Fee	1806	180	180
Fee Description	Fee Code	Amount \$	Fee Paid \$								
Submission Of Information Disclosure Stmt Fee	1806	180	180								
AUTHORIZED BILLING INFORMATION											
The commissioner is hereby authorized to charge indicated fees and credit any overpayments to:											
Deposit account number: 050889											
Access Code ****											
Deposit name: EMC Corporation											
Deposit authorized name: Richard M Sharkansky											
Signature: /rms/											
Date (YYYYMMDD): 2004-06-18											



ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention	DATA STORAGE SYSYEM HAVING SEPARATE DATA TRANSFER SECTION AND MESSAGE NETWORK WITH PLURAL DIRECTORS AND COMMION PRINTED CIRCUIT BOARDS																				
<p>Application Number: 09/539966 </p> <p>Confirmation Number: 2142</p> <p>First Named Applicant: Stephen MacArthur</p> <p>Attorney Docket Number: EMC2-044PUS</p> <p>Art Unit: 2182</p> <p>Examiner: Mike Nguyen</p> <p>Search string: (4977556).pn.</p> <p>US Patent Documents</p> <p>Note: Applicant is not required to submit a paper copy of cited US Patent Documents</p> <table border="1"><thead><tr><th>init</th><th>Cite.No.</th><th>Patent No.</th><th>Date</th><th>Patentee</th><th>Kind</th><th>Class</th><th>Subclass</th></tr></thead><tbody><tr><td></td><td>1</td><td>4977556</td><td>1990-12-11</td><td>Noguchi</td><td></td><td>370</td><td>60</td></tr></tbody></table> <p>Signature</p> <table border="1"><thead><tr><th>Examiner Name</th><th>Date</th></tr></thead><tbody><tr><td></td><td></td></tr></tbody></table>		init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass		1	4977556	1990-12-11	Noguchi		370	60	Examiner Name	Date		
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